

Motorola™

i600

iDEN™ Digital Portable

Getting Started

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YOUR i600 PORTABLE

Congratulations on purchasing your Motorola i600 portable phone. Superior features and state-of-the-art technology help to keep you in constant touch with all of your business and personal contacts.

The i600 portable is the most versatile communication device on the market today. It has the following capabilities:

- ▶ Phone
- ▶ Private Call
- ▶ Group Call
- ▶ Voice Mail
- ▶ Message Mail

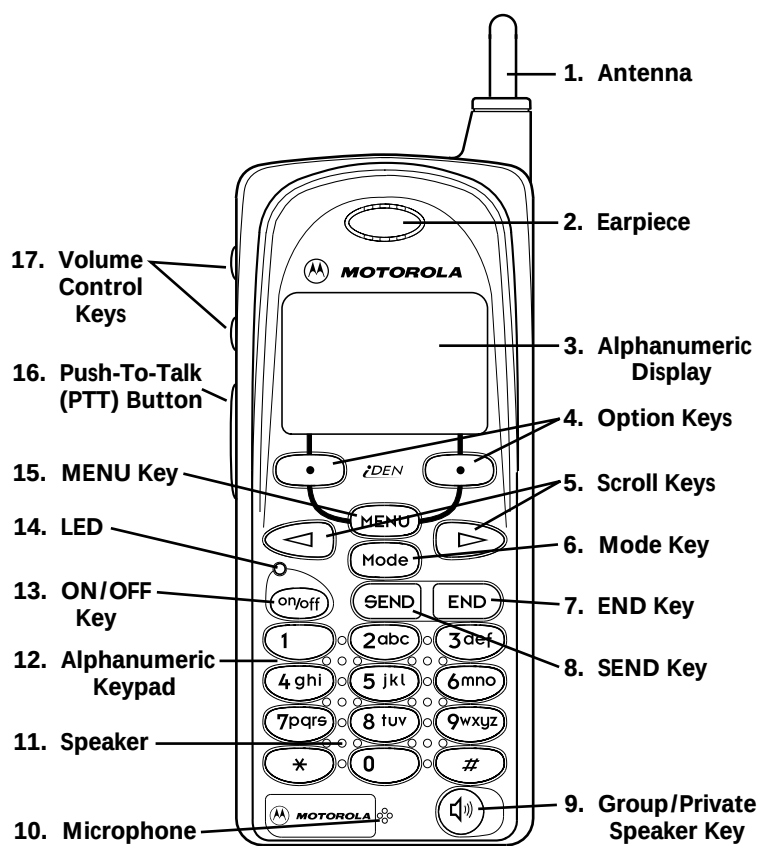
This guide describes the features, as set up by Motorola, that most people use every day. However, your service provider or your organization may have customized your portable to optimize its use for your individual needs. For more information, check with your service provider or organization.

You can operate your portable in English, French, or Spanish. The default setting from the factory is English. For more information, please see “Changing the Display Language” on page 7.

Before using your i600 portable, be sure to read “Safety and General Information” on page 39, for the safe and efficient operation of your phone.

Additional information for your i600
Portable can be found on the
Motorola iDEN web site:
<http://www.mot.com/LMPS/iDEN>

FEATURE LOCATOR



1. Antenna	Extend for optimal signal.
2. Earpiece	Hold to your ear to listen during phone calls and Group/Private (low-audio) communication.
3. Alphanumeric Display	View up to four lines (up to 12 characters per line) on the display.
4. Option Keys	Press to select the option that appears directly above the left or right key on the fourth line of the display.
5. Scroll Keys	Press the left or right key to scroll forward or back through options and lists, such as Phone, Group, or Private Call lists.
6. Mode Key	Press to change between Phone, Group, and Private modes.
7. END Key	Press to end phone calls.
8. SEND Key	Press to answer an incoming phone call or initiate an outgoing phone call.
9. Group/Private Speaker Key	Press to listen to audio through either the earpiece or the speaker during Group and Private calls.
10. Microphone	Speak into it during communications.
11. Speaker	Listen to Group and Private (high-audio) conversations.
12. Alphanumeric Keypad	Enter telephone numbers, Private Call IDs, and alphanumeric characters.
13. On/Off Key	Press to turn your portable on or off.
14. LED	Indicates the service state. See Table 1 on page 6 for a description of service states.
15. MENU Key	Scroll through the menu options that are available on the last line within each mode.
16. Push-To-Talk (PTT) Button	Transmit a Group or Private Call, or a Call Alert. Press and hold the PTT button to talk; release it to listen.
17. Volume Control Keys	Press to adjust volume levels.

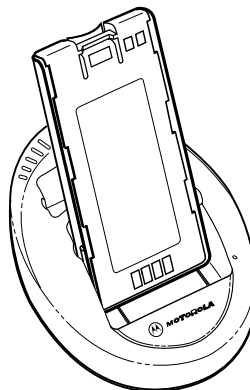
BATTERY

Charging Your Battery

You should charge your portable battery for at least 16 hours before initial use. This allows your battery to achieve its maximum capacity and life.

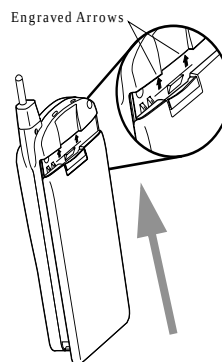
Place the battery in the charger, as shown.

You can also place the portable, with the battery attached, in the charger.



Attaching Your Battery

To attach the charged battery to your portable, align the battery with the engraved arrows on the portable. Slide the battery upward until you hear an audible click.



Detaching Your Battery

To detach the battery, pull back on the release button near the top of the battery and slide the battery downward.

DISPLAY ICONS

After you turn on your portable, icons appear along the top of the display to show the following conditions.



Signal Strength Indicator

Shows the signal strength. Six bars indicate the strongest signal. Calls and messages may not be sent or received in weak signal areas.



Battery Strength Indicator

Shows the remaining charge in your battery. Three bars show full charge. This indicator flashes when you have less than five minutes of talk time.



Voice Mail

Indicates that unplayed messages are waiting in your voice mail box.



New Message Mail

Indicates that you have new text messages in your mail box.



Unread Message Mail

Indicates that you have unread text messages in your mail box.



Silent Ringer

Indicates that the phone ringer volume is off.



Line Indicator and Call Forward

Indicates call forward status.

The number indicates the active phone line.

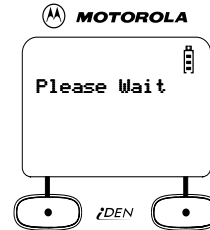


Group/Private Speaker

Indicates that the Group/Private Speaker is off. You will hear audio through the earpiece.

POWERING ON

Press  until a set of icons and squares appears on your display. (For a description of the icons, see page 5.) Then, the message, “Please Wait”, displays while the unit registers on the system.



The LED indicator, located above the  button, shows the in-service states of your portable. See the following table.

Table 1: LED Indicator

LED Indicator	Phone State
Flashing Red	Registering—this is the first state after you turn on the unit.
Solid Red	No service—the unit cannot register on the system. The unit continues to attempt registration approximately every two minutes as long as you keep the unit on.
Flashing Green	In service—the LED indicator flashes green and the Phone Ready message displays. You can now place and receive Phone, Group, and Private calls.
Solid Green	In use—the unit is in the process of placing or receiving a call.

POWERING OFF

Press and hold  for one second, until you hear an audible beep and see the message, “Powering Off”.

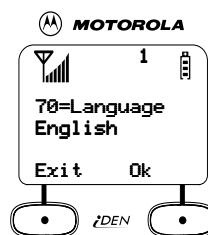
CHANGING THE DISPLAY LANGUAGE

You can customize your portable to operate in English, French, or Spanish. The default setting from the factory is English.

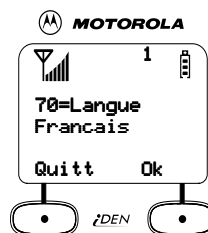
To change the display language:

1. Press *****, **#**, **7pqr**, **0** to quickly access the Programming Menu item associated with multi-language support.
2. Press **•** under “Ok”.
3. Press **◀** or **▶** to scroll through the language options.

Pressing **•** under “Exit” at any time retains the current language selection.



4. Press **•** under “Ok” when the language you desire is in the display. The text immediately changes to the selected language.
5. Press **•** under “Exit”, “Salir”, or “Quitt” (whichever one displays) to exit this mode. The language that you select will be the operating language until you repeat this procedure and select another language.

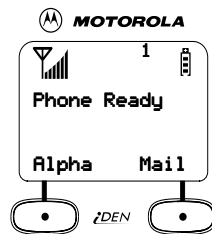


MODE

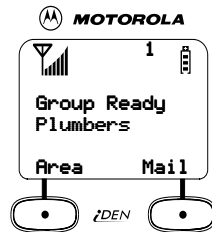
Press **Mode** to switch between Phone, Group, and Private Call modes.

Your display appears similar to the following default screens for the Phone, Group Call, and Private Call modes when your portable is *in service*. If the word “Ready” does not appear after the mode name in the display, your unit is *out of service*.

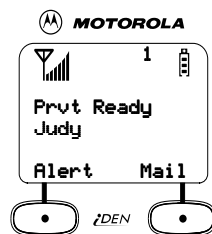
Phone Mode



Group Call Mode

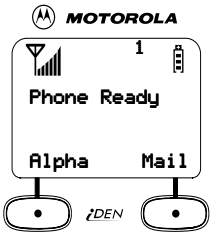


Private Call Mode



MENU

Each mode has several menu options, for example, Alpha search in Phone mode, Area selection in Group mode, and Call Alert in Private mode. These menu options appear in the last line of your display.



Scrolling through Menu Options

Press  to scroll through the features in each mode.

Phone Mode Menu Options

Alpha	Mail
Forwd	Spd#
Memo	Prgm
Wait	Line 2

Group Mode Menu Options

Area	Mail
Alert	Prgm

Private Mode Menu Options

Alert	Mail
Alpha	Prgm

Selecting Menu Options

Press  under the displayed menu option that you wish to select.

PHONE

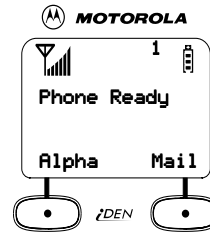
The phone call features of your portable include a preset emergency number, automatic redial, last-number redial, and selectable ring styles.

MAKING A PHONE CALL

Press **Mode** until “Phone Ready” appears on your display. You are now in Phone mode.

Phone mode allows you to place phone calls. You can receive incoming phone calls from any mode (Phone, Group, or Private).

There are four methods for entering a phone number: Direct Dial, Scroll, Speed Dial, and Alpha.



Phone

Direct Dial Method

1. You can make a phone call by dialing the number using the keypad. If you make a mistake, press **<**.

You can return to the “Phone Ready” mode at any time by pressing the option **•** key under the word “Cancl”.

2. Press **SEND** to place the call.
3. Press **END** to hang up.

Scroll Method

1. Press the scroll keys **<** **>** to scroll back or forward through the stored list of numbers and names.
2. Press **SEND** to place the call.
3. Press **END** to hang up.

Speed Dial Method

1. Press **MENU** until you see the “Spd#” option on the last line of your display.
2. Press **•** under “Spd#”.

3. Enter the assigned speed dial number (1-100). For more information, see “Phone List Programming” on page 20.
4. Press **SEND** to place the call.
5. Press **END** to hang up.

Alpha Method

1. Press **•** under “Alpha”.
2. Press the numeric key with the first letter of the name.
3. Press **◀** or **▶** to scroll through the list.
4. Press **SEND** to place the call.
5. Press **END** to hang up.

Emergency Dialing

The Emergency Dial feature allows you to call a designated emergency phone number by continuously pressing a single key. This feature does not operate during an active call.

1. From any mode (Phone, Private Call, or Group Call) press and hold **911** until the unit displays “EMERGENCY”.
2. Press **END** to terminate the call. The emergency phone number will not be saved as the last number dialed.

Note: Contact your service provider for details on the Emergency Dial feature.

Automatic Redial

If you encounter a “System Busy, Try Later” message, press **SEND** and your portable will automatically attempt to redial the number. You will hear a ring tone when the call is successful.

Last Number Redial

To redial the last number, simply press **SEND**.

RECEIVING A PHONE CALL

1. Press **SEND** to answer an incoming phone call.
2. Press **END** to hang up.

RECALL YOUR OWN PHONE NUMBER

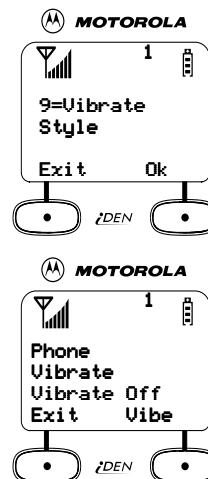
Note: If your portable has two phone lines, first activate the desired line for which you wish to display the phone number, and then follow these instructions.

1. To recall the phone number of your unit (or the desired line, if you have two lines), press *****, **#**, **1**.
2. Press **.** under “Exit”.

VIBRACALL™

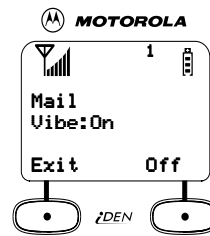
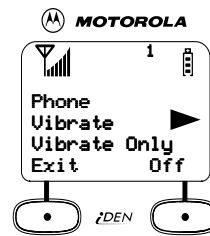
The VibraCall feature notifies you of incoming telephone calls by a non-audible alert.

1. Press *****, **#**, **9wxjz** to quickly access the Programming Menu item associated with VibraCall.
2. Press **.** under “Ok”.
3. Press **.** under “Vibe” to enable vibration for incoming phone calls for the active phone line (shown in this example as line 1).



Phone

4. Press  under “Off” to disable vibration for incoming phone calls for the active phone line. Press  to display the “V/Rng” Option key.
5. Press  to see the Mail Vibrate option.
6. Press  under “Off” to deactivate VibraCall for voice and message mail.
7. When you finish, press  under “Exit”



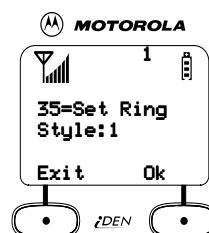
Note: If VibraCall is enabled for incoming Phone Calls, Voice Mail, or Message Mail, the power-up sequence includes a brief vibrate cycle.

If VibraCall is enabled for incoming Phone Calls, the unit does not vibrate if a second call is received while you are active in a call. A call waiting tone is played, instead.

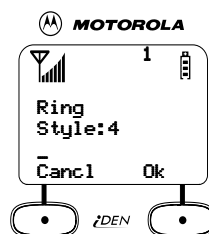
SELECTABLE RING STYLES

Your portable features nine selectable ring styles. Portables with two phone lines can select the same ring style or different ring styles for each phone line.

1. Press *****, **#**, **3def**, **5jkl** to quickly access the Programming Menu item for ring style selection. The display shows your current selection.



2. Press **OK** under “Ok”.
3. Press the **Left Arrow** **Right Arrow** keys to scroll through the available Ring Styles.
4. Press the volume **Up** **Down** keys to listen to the selected ring style.
5. Press **OK** under “Ok” to select the current Ring Style in the display.
Or, press **Cancel** under “Cancel” to leave the Ring Style unchanged.



Phone

Note: To change the ring style for the second line, exit this programming feature, select the other line, and repeat this procedure.

CALL FORWARDING

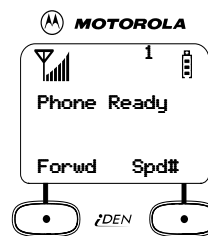
You can forward incoming phone calls to any number that you specify.

Selecting a Call Forward Number

You can select the number in one of three ways: entering the number using the alphanumeric keypad, using the scroll   keys to select the number from your phone list, or by using Alpha Search.

Unconditional Call Forwarding

1. Within Phone mode, press  until you see “Forwd” on the last line of your display.
2. Press  under “Forwd”.
3. Either enter a number or press the scroll keys to select the number where you want your calls forwarded.



Note: You can select a number using the scroll keys only if you have previously added phone numbers. See “Phone List Programming” on page 20.

4. Press  under “On”.
5. After the “Please Wait” message displays, press  under “Exit”.

Notice that the Call Forward icon  appears on your display when Unconditional Call Forwarding is enabled.

Conditional Call Forwarding

You may also want to forward your calls only if your unit is busy (Busy), there is no answer (NoAns), or you cannot be reached (NoRch).

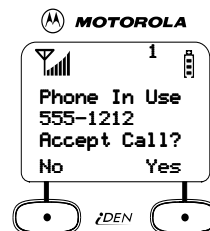
Note: Unconditional Call Forwarding must be turned off before Conditional Call Forwarding options are available.

1. Within Phone mode, press **MENU** until you see “Forwd” on the last line of your display.
2. Press **•** under “Forwd”. The next two screens display the conditional call-forwarding options.
3. Press **MENU** once until you see “Busy” and “NoAns” on the last line of your display.
 - To forward your calls when your unit is busy, press **•** under “Busy”.
 - To forward your calls when you cannot answer a call, press **•** under “NoAns”.
4. Press **MENU** again until you see “NoRch” and “Rcl#” on the last line of your display.
 - To forward your calls when you cannot be reached, press **•** under “NoRch”.
5. After you select the call-forward option, either enter the number where you want your calls forwarded, or press the scroll buttons and select a number.
6. Press **•** under “On”.
7. Press **•** under “Exit”.

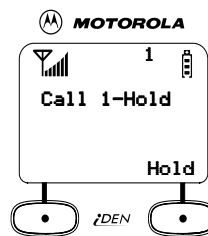
CALL WAITING

Using the Call Waiting feature, you can answer an incoming call when you are on another call. Call Waiting is on unless you turn it off for a particular call.

1. You will hear a tone to alert you of an incoming call. Your display reads “Accept Call?”. Press **•** under “Yes” on the last line of your display to accept the call.



2. Press  under “Hold” to place the second call on hold and return to the first call. Pressing  under “Hold” toggles you between the two calls.
3. Press  to end the active call.



CALL HOLD

“Hold” appears as an option on your display only while you are on an active call. You may make a second phone call by placing the initial call on hold.

1. Press  under “Hold” on your display to place a call on hold.
2. Press  under “Hold” again to remove the call from hold.

3-WAY CALLING

If your portable is programmed with 3-way calling, you can join two ongoing phone calls in one conversation. This option is available only when you initiate the second call.

1. Place a phone call or receive a phone call.
2. Press  under “3way”. This places the current call on hold.
3. Enter the phone number for your second call and press “3way” to join the two calls.
4. Press  to end the 3-way call. You cannot place either call on hold during the 3-way call.

ALTERNATE PHONE LINE

If your portable is programmed with two phone lines, you can switch between them.

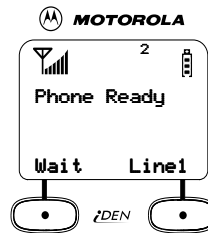
Your phone must be idle in Phone mode to change phone lines.

The following settings are independent for each phone line. When you enable a setting, only the active line will be set.

- Ringer Volume
- Auto Answer
- One-minute Beep
- Automatic Display Timer
- Resettable Timer
- Total Call Timer
- Selectable Ring Styles
- Call Forwarding

Setting the Active Line

1. Be sure your phone is idle in Phone mode.
2. Press **MENU** until you see “Line1” or “Line2”.
3. Press **•** under “Line1” when Line 2 is the active line, or, press **•** under “Line2” when Line 1 is the active line.



Phone

Receiving a Call

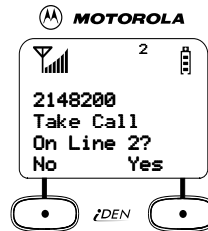
You can receive calls on either line, regardless of the active line setting.

- If the line is the same as the currently active line, that icon simply flashes.
- If the call is on the line not currently active, the active line icon remains lit and the alternate line icon flashes.

Receiving Multiple Calls

1. Press  under “Yes” to answer the call on the other line. Your previous call will be placed on hold.
2. Press  to end the call or press “Hold” to place the current call on hold.

When the call is terminated, the unit remains active in the last active line selected.



PHONE LIST PROGRAMMING

You can add up to 100 numbers to your phone list, store them with names or aliases (alternate name tags), and assign them to speed dial numbers.

Entering Phone Numbers Using the Keypad

To enter a number, press the corresponding number key.

Entering an Alias Using the Keypad

The number of times you press a key to enter a letter depends on the position of the letter on the key. The following table illustrates how to enter each letter on the  key.

Table 2: Using Keypad Letters and Numbers

Letter	Position
P	To enter the first letter on the keypad, press the key once .
Q	To enter the second letter on the keypad, press the key twice .
R	To enter the third letter on the keypad, press the key three times .
S	To enter the fourth letter on the keypad, press the key four times .
7	To enter the number, press the key five times .

Entering and Changing Names and Numbers

1. Press , , , .
2. Press under “Ok”. The “20=Phone List Program” line appears on your display.
3. Select the type of edit that you want to perform:

Add	To add a new entry, press under “Ok”.
Edit	To edit an existing number, press once, then press under “Ok”.
Erase	To erase an existing number, press twice, then press under “Ok”.

4. Enter the number and press under “Store”.
5. Enter the name or alias that you want to associate with this number and press under “Store”.
For more information about entering an alias, see “Entering an Alias Using the Keypad” on page 20.
6. Enter the Speed Dial number for this number or accept the default number shown.
7. Press under “Store”.
8. After you enter all the desired numbers, press under “Exit”.
9. Press under “Exit”.

Phone

Phone

PRIVATE CALL

A Private Call is a one-to-one communication between two individuals (instead of a talkgroup). Each unit is identified by a name or a number up to five digits in length.

GROUP/PRIVATE SPEAKER

You can hear the audio through either the earpiece or the speaker in Group and Private modes. Pressing the  key turns the Group/Private Speaker on or off.

If you set the Group/Private Speaker key on, you will hear incoming audio through the speaker. This is helpful in monitoring talkgroup activity.

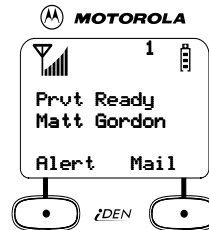
If you set the Group/Private Speaker key off, a brief alert tone notifies you of activity within the talkgroup or private call. You will hear incoming audio through the earpiece.

MAKING A PRIVATE CALL

There are three methods: Direct Entry, Scroll, or Alpha.

Direct Entry Method

1. Press  until you see “Prvt Ready” on your display. This is the Private Call default display.
2. Use the alphanumeric keys to enter the Private Call ID of the person that you want to reach.
3. Press and hold the PTT button, wait for the chirp, then speak into the microphone.
4. Release the PTT button to listen.



Private Call

Scroll Method

1. Press   to select the person from the private call list with whom you want to have a Private Call.
2. Press and hold the PTT button, wait for the chirp, then speak into the microphone.

Alpha Method

1. Press  until you see the “Alpha” menu option on the last line of your display.
2. Press  under “Alpha”.
3. Press the numeric key with the first letter of the name associated with a private ID.
4. Press  or  to scroll through the list.
5. Press and hold the PTT button, wait for the chirp, then speak into the microphone.

RECEIVING A PRIVATE CALL

When you have an incoming Private Call, you receive a brief audible tone. Your unit automatically switches to Private Call mode, and the Private Call ID or the name of the caller displays.

Wait for the caller to finish speaking, then press and hold the PTT button. Begin speaking after you hear the chirp.

RECALLING YOUR PRIVATE ID

1. To recall your portable’s private ID, press , , .
2. Press  under “Exit”.

CALL ALERT

You can access Call Alert from the Group and Private modes. Using Call Alert, you can privately page an individual by sending an audible tone.

Sending a Call Alert

1. Press  until you see “Alert” on your display.
2. Press  under “Alert”.
3. Enter the private ID or press   to scroll to the name of the person to whom you want to send the Call Alert. You may also select the person by using Alpha Search.
4. Press the PTT button to send the Call Alert.

Receiving a Call Alert

When you receive a Call Alert, you hear a tone and see a message on your display.

1. Press the PTT button to return the Call Alert.
2. Press  under “Clear” to clear the Call Alert, or press any key other than the PTT button to silence the alert tones.

Note: Until the Call Alert is cleared or returned, you will be blocked from receiving any additional Phone, Group, or Private Calls.

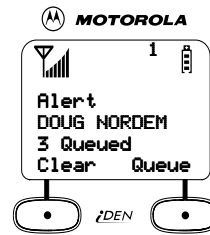
CALL ALERT STACKING

Call Alert Stacking is an optional feature that allows you to save up to eight Call Alerts in a stack.

Receiving a Call Alert with Stacking

With Call Alert Stacking, you have the option to clear a Call Alert or to save the Call Alert to the queue for later recall.

- To clear a Call Alert, press  under “Clear”.
- To place the Call Alert into the queue, press  under “Queue”. Pressing the Mode key also stacks the Call Alert.



Private Call

If you receive multiple Call Alerts, the last received Call Alert displays and the remaining Call Alerts are stacked at the beginning of the queue.

Responding to a Call Alert in the Stack

You can respond to the Call Alerts in any order. To select a Call Alert for response:

1. Press  under “Queue”.
2. Press  or  to scroll to the desired Call Alert.
3. Press the PTT button to respond to the Call Alert. After you respond to the Alert, it is removed from the stack.

PRIVATE CALL ID (RADIO) PROGRAMMING

You can add radio IDs to your Private Call list and store them with names or aliases.

1. Press , , , .
2. Press  under “Ok”. The “21=Radio Id List Program” line appears on your display.
3. Select the type of edit that you want to perform.

Add	To add a new entry, press  under “Ok”.
Edit	To edit an existing number, press  once, then press  under “Ok”.
Erase	To erase an existing number, press  twice, then press  under “Ok”.

4. Enter the radio ID (up to five digits) and press  under “Store”.
5. Enter the name or alias that you want to associate with this radio ID and press  under “Store”. For instructions on entering names or aliases, see “Phone List Programming” on page 20.
6. When you finish entering the new radio IDs, press  under “Exit”.
7. Press  under “Exit”.

GROUP CALL

A Group Call is an instant communication between you and others in a selected talkgroup.

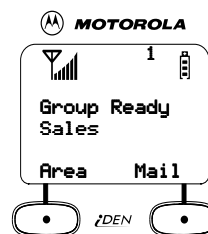
A talkgroup is a pre-defined set of individuals who share a common communication need. Talkgroups appear on your display as names or numbers, for example, Sales, Service, Electricians, Talkgrp10.

MAKING A GROUP CALL

1. Press  until “Group Ready” displays. This is the Group Call mode default display.

Your active talkgroup displays, for example, “Sales”.

2. To initiate the call to this talkgroup, press and hold the Push to Talk (PTT) button. Wait for the chirp sound and then speak into the microphone.
3. Release the PTT button to listen.



CHANGING TALKGROUPS

You may change talkgroups to reach talkgroups other than the one that is active. Your portable can store up to 30 pre-defined talkgroups.

1. From the Group Call mode, enter the talkgroup number, or press  to select the talkgroup.
2. Press  under “Ok”.
3. Press the PTT button to initiate the call.

RECEIVING A GROUP CALL

No action is necessary to receive a Group Call as long as your unit is idle (not engaged in an active Phone or Private Call).

Any communication activity within the talkgroup that you select automatically switches your unit into Group mode. You will receive the talkgroup transmission as long as your portable is powered on.

AREA SELECTION

When in Group mode, you can send your communication only to those talkgroup members in a specific location. This is useful when you know where the individuals (that you wish to reach) are located within the service area.

1. Press **Mode** until you see “Group Ready” on your display.
2. Press **.** under “Area”.
3. Press **▶** to scroll through the targeted areas specified by your local service provider.
4. Press **.** under “Ok” to select the targeted area. The area selected appears on the last line of your display.

TALKGROUP NAMING

To add a talkgroup name to your portable, press *****, **#**, **2abc**, **2abc**.

For instructions on programming IDs and aliases, see “Private Call ID (Radio) Programming” on page 26.

VOICE MAIL

Your portable provides full support for Voice Mail. You can access this function from any mode by pressing  under the “Mail” menu option.

When you receive new voice mail messages in your network-based Voice Mail box, the  icon appears on your display and you hear the Voice Mail alert tone (if Mail Notification Display is turned on).

To disable mail notification, press , , , then press  under “Off”.

RETRIEVING VOICE MAIL

In addition to the Voice Mail alert tone, you also see the message, “New Voice Mail Waiting”.

To retrieve your voice mail immediately, press  under “Dial”. This action automatically places a call to your voice mailbox.

To clear your display, press  under “Exit”.

VIEWING VOICE MAIL STATUS

You may view the status of messages in your voice mailbox at anytime.

1. Press  under “Mail” from any mode.
2. Press  under “Voice”.

The display shows the number of New messages and the Total number of messages currently in your voice mailbox.

When you see an exclamation point (!) on the display, you have at least one urgent message. Press  under “Dial” to retrieve your urgent voice mail messages.

MESSAGE MAIL™

Your portable provides full support for Message Mail. You can access this function from any mode by pressing  under the “Mail” menu option.

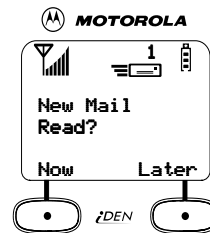
Message Mail can be either a numeric page or a text message of up to 140 characters. Your portable can receive and store 16 mail messages at any time.

RECEIVING NEW MESSAGE MAIL

When you receive a new message, the icon  appears and flashes. You may also receive an audible alert.

Press  under “Now” to read your new mail immediately.

Press  under “Later” to postpone reading your mail and to clear the display. The icon stops flashing but remains on your display to remind you that you have unread messages.



Message Mail

RETRIEVING STORED/UNREAD MAIL

You may access postponed or saved Message Mail from any mode.

1. Press  under “Mail”.
2. Press  under “Mesg”. A status screen, showing the number of new and saved messages displays temporarily before the most recent message displays.
3. Use  and  to scroll quickly through the first screen of any unread or saved mail messages.
4. Press  under “Read” to read the entire message.

SAVING AND ERASING MAIL

After you view a text or numeric message, you can either Save or Erase the message. Press  under the appropriate option.

AUTO CALL BACK

You can respond to numeric pages and text messages containing a call-back number. To automatically dial a number contained within a Message Mail, press .

MESSAGE MAIL MEMORY FULL

If all 16 message registers are full, your portable displays the message, “Mail Waiting, Memory Full”. You cannot receive new Message Mail until you erase saved or unread messages.

PROGRAMMING MENU

OPTIONS

You can customize the settings on your portable using the Programming Menu.

You may access the Programming Menu from any Mode (Phone, Group, or Private).

1. Press  until you see “Prgm” on the display.
2. Press  under “Prgm”.
3. Press  under “Ok”.
4. Press  and  to scroll to the desired Programming Menu Option or enter the number of the Option.

You can use a shortcut method to enter the Programming Menu by pressing , , then entering the number of the Programming Menu Option (see the following table).

Table 3: Programming Menu Options

Option Number	Menu Option	Function
1	Own Phone Number	Displays the telephone number of your portable.
2	Own Private ID	Displays the radio ID of your portable.
3	Mail Notification Display	Set On to Enable the New Mail message that is displayed with incoming Voice or Message Mail.
4	Manual Lock	Locks the unit to prevent unauthorized use. (Passcode must be entered to unlock).
5	Automatic Lock	Set On to automatically lock your portable each time it is powered off to prevent unauthorized use.

Table 3: Programming Menu Options

Option Number	Menu Option	Function
6	Auto Answer	Set On to have your portable automatically answer incoming phone calls after 1-4 rings.
9	Vibration Styles	Select non-audible notification of incoming calls and Message and Voice Mails.
10	Last Call Timer	Displays the duration of the most recent phone call.
11	Automatic Display Timer	Set On to automatically display the Last Call Timer at the end of each phone call.
12	Resettable Timer	Displays cumulative airtime of all phone calls since last reset.
13	Total Call Timer	Displays cumulative airtime of all phone calls.
14	One Minute Beep	Set On to have your portable automatically signal each minute of elapsed phone airtime with an audible beep.
20	Phone List Programming	Add/Edit/Erase up to 100 frequently called phone numbers and associated name tags.
21	Private ID List Programming	Add/Edit/Erase up to 100 Private Call Radio ID's and associated name tags.
22	Talkgroup ID List Programming	Add/Edit/Erase name tag identifiers for up to 30 pre-programmed talkgroups.
23	Area ID List Programming	Add/Edit/Erase name tag identifiers for up to 50 targeted areas.

Table 3: Programming Menu Options

Option Number	Menu Option	Function
30	Ringer Volume	Set default ringer volume using the volume control keys, or lower the volume to silence the ringer.
31	Earpiece Volume	Set default earpiece volume using the volume control keys.
32	Keypad Volume	Set volume of keypad tones using the volume control keys, or lower the volume to silence the keypad tones.
33	Mail Volume	Set volume of incoming Message Mail and Voice Mail tones using the volume control keys, or lower the volume to silence the mail alert tones.
34	Speaker Volume	Temporarily adjusts the Group/Private Speaker volume for noisy environments.
35	Ring Styles	Select a distinct ring style for incoming phone calls.
36	Volume Set Tone	Turn speaker volume set tones on or off.
38	Silent Group Mode	Silences all incoming Group Call alerts and voice activity.
40	Change Passcode	Change your secret four-digit passcode from the initial setting of 0000.
70	Multi-Language Support	Select English, French, or Spanish for your display text.

Note: Contact your service provider before performing the shaded programming menu features below:

Option Number	Menu Option	Function
41	Feature Reset	Return all feature settings to their original defaults.
42	Master Clear	Perform Feature Reset and erase all stored lists.
43	Master Reset	Resets the portable's identification number.
44	Change Service Key	Change or reset the fraud prevention service key.
50	NAM Selection	Select alternate Numeric Assignment Module (NAM). See local service provider for information.
51	Preferred Network ID	Edit the pre-programmed Network ID list and select roaming options.

Programming Menu

ERROR MESSAGES

You may receive error messages under certain conditions. Before contacting your service provider, note the message, numeric code, and the conditions under which it appeared. The following table lists and describes the error messages.

Table 4: Error Messages

Error Messages	Message Description
Number Not in Service	The entered number is not valid.
User Not Available	The targeted unit of your call is either busy, out-of-range, or turned off. Please try again later.
Target Not Authorized	The targeted unit of your call has not purchased this service.
Please Try Later	This service is temporarily not available. Please try again later.
Target Busy in Private	The targeted unit that you are trying to contact is busy in a Private Call.
Service Restricted	This service has been restricted by your service provider or it has not been purchased.
Service Not Available	This feature is not available on the current network.
System Busy Try Later	The system is experiencing heavy traffic. Please try again later.
Service Conflict	This service cannot be enabled because an incompatible service has already been turned on.
Please Try Again	A general error has occurred. Please note the error code and contact your service provider.
Self Check Error	A fault was detected with your portable. Should this error recur, note the error code and contact your service provider.

Table 4: Error Messages

Error Messages	Message Description
Self Check Fail	An operational fault was detected with your portable. Note the numeric code, turn your portable off, and contact your service provider immediately.

SAFETY AND GENERAL INFORMATION

IMPORTANT! *Read this information before using your integrated multi-service phone.*

RADIO OPERATION

Your radio contains a transmitter and a receiver. When it is ON, it receives, and also transmits, radio frequency (RF) energy. The radio operates in the frequency range of 806MHz to 866MHz, and employs digital modulation techniques. When you use your radio, the system handling your call controls the power level at which your radio transmits. The power level may typically vary over a range from 0.01 of a watt to 0.6 of a watt.

- Exposure to Radio Frequency Energy

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standards* previously set by both U.S. and international standards bodies. The design of your Motorola two-way radio complies with the FCC guidelines and these standards.

*American National Standards Institute (C95.1 - 1992);

*National Council on Radiation Protection and Measurements (NCRP-1986);

*International Commission on Non-Ionizing Radiation Protection (ICNRP- 1986)

To assure optimal radio performance and to ensure that exposure to RF energy is within the guidelines in the above standards, follow the operating procedures outlined below.

- Efficient Radio Operation

The following practices will enable your radio to operate at the lowest power level, consistent with satisfactory call quality.

When placing or receiving a phone call, or using the group or private call functions with the Group/Private Speaker OFF (muted speaker icon visible in the display), hold the radio as you would a telephone.

Speak directly into the mouthpiece and position the antenna up and over your shoulder.

When using the radio as a traditional two-way radio while making group or private calls with the Group/Private Speaker ON (no speaker icon visible in the display), hold the radio in a vertical position with the microphone one to two inches away from the lips.



For body-worn operation, the antenna should be kept at least one inch from the body when transmitting.

DO NOT hold the antenna when the radio is “IN USE”.

Holding the antenna affects call quality and may cause the radio to operate at a higher power level than needed.

- Antenna Considerations

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the radio, or result in violation of ICNRP or FCC regulations.



Do not use the radio with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result.

Caution

- Interference to Medical and Personal Electronic Devices

Most electronic equipment is shielded from RF energy. However, RF energy from the radio transmitter may affect inadequately shielded electronic equipment.

Consult the manufacturer(s) of your medical and personal electronic device(s) (for example, a pacemaker or a hearing aid) to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your radio off in health care facilities when any regulations posted in the area instruct you to do so. Hospitals and health care facilities may be using equipment that is sensitive to external RF energy.

- Interference to Other Electronic Devices

RF energy may affect improperly or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacturer or representative to determine if these systems are adequately shielded from external RF energy. Also check with the manufacturer of any equipment that has been added to the vehicle.

Turn your radio off before boarding any aircraft to prevent possible interference to aircraft systems. Regulations of the United States Federal Aviation Administration prohibit use when the plane is in the air and require that you have permission from a crew member to use your radio while the plane is on the ground.

- Batteries



Caution

All batteries can cause property damage, injury or burns if a conductive material such as jewelry, keys, or beaded chains touch the exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container. To protect against a short circuit when the battery is detached from the phone, keep the battery in the insulated

- Use While Driving

Check the laws and regulations on the use of telephones in the areas where you drive. Always obey them.



Caution

When using the phone while driving, please:

- give full attention to driving and to the road;
- use hands-free operation, if available; and
- pull off the road and park before making or answering a call if driving conditions so

- Children



Caution

Do not allow children to play with your radio. It is not a toy. Children could hurt themselves or others (by poking themselves or others in the eye with the antenna, for example). Children also could damage the radio, or make calls that increase your service bills.

- Blasting Areas and Explosives



WARNING

DO NOT operate your radio near electric blasting caps, or in a blasting area, to avoid the possibility of triggering an explosion. Turn your radio OFF when in a “blasting area” or in areas where such requirements are posted.

- Potentially Explosive Atmospheres

**WARNING**

Turn your radio OFF and do not replace the battery when in any area with a potentially explosive atmosphere. It is rare, but your radio or its accessories could generate sparks which might trigger an explosion.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include areas such as below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle that contains your radio or accessories.

Vehicles powered by liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association. One Batterymarch Park, Quincy, MA 02269, Attn: Publications Sales Division.

- For Vehicles Equipped with an Air Bag



WARNING

An air bag inflates with great force. DO NOT place objects, including communication equipment, in the area over the air bag or in the air bag deployment area. If the communication equipment is improperly installed and the air bag inflates, this could cause serious injury.

Installation of vehicle communication equipment should be performed by a professional installer/ technician qualified in the requirements for such installations. An air bag's size, shape, and deployment area can vary by vehicle make, model, and front compartment configuration (for example, bench seat vs. bucket seats).

Contact the vehicle manufacturer's corporate headquarters, if necessary, for specific air bag information for the vehicle make, model, and front compartment configuration involved in your communication equipment installation.

CLEANING INSTRUCTIONS

Clean the external surfaces with a damp cloth, using a mild solution of dishwashing detergent and water. Some household cleaners may contain chemicals which could seriously damage the unit. Avoid the use of any petroleum-based solvent cleaners. Also, avoid applying liquids directly on the portable unit.

FOR FURTHER INFORMATION

For more detailed information, see the i600 Digital Portable A - Z Reference Guide located on the iDEN web site:

<http://www.mot.com/LMPS/iDEN>

Be sure to carry the Pocket Card with you for reference in case you need to know how certain features work.

WARRANTY INFORMATION

Note: This Warranty applies within the fifty (50) United States and the District of Columbia.

Limited Warranty Motorola Communication Products

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

MOTOROLA, INC. ("MOTOROLA") warrants the MOTOROLA manufactured iDEN Communication Products listed below ("Product") against defects in material and workmanship under normal use and service for a period of time from the date of purchase as scheduled below:

iDEN Subscriber Digital Mobile and Portable Units	One (1) Year
Product Accessories	One (1) Year

Rechargeable Batteries will be replaced during the applicable warranty period if:

- the battery capacity falls below 80% of rated capacity, or
- the battery develops leakage.

MOTOROLA, at its option, will at no charge either repair the Product (with new or reconditioned parts), replace it (with a new or reconditioned Product), or refund the purchase price of the Product during the warranty period provided it is returned in accordance with the terms of this warranty. Replaced parts or boards are warranted for the balance of the original applicable warranty period. All replaced parts of Product shall become the property of MOTOROLA.

This express limited warranty is extended by MOTOROLA to the original end user purchaser only and is not assignable or transferable to any other party. This is the complete warranty for the Product manufactured by MOTOROLA. MOTOROLA assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of MOTOROLA. Unless made in a separate agreement between MOTOROLA and the original end user purchaser, MOTOROLA does not warrant the installation, maintenance or service of the Product.

MOTOROLA cannot be responsible in any way for any ancillary equipment not furnished by MOTOROLA which is attached to or

Warranty

used in connection with the Product, or for operation of the Product with any ancillary equipment, and all such equipment if expressly excluded from this warranty. Because each system which may use the Product is unique, MOTOROLA disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

III. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA'S responsibilities regarding the Product, Repair, replacement or refund of the purchase price, at MOTOROLA'S options, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

IV. STATE LAW RIGHTS:

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY.

This warranty gives specific legal rights, and there may be other rights which may vary from state to state.

V. HOW TO GET WARRANTY SERVICE:

You must provide proof of purchase (bearing the date of purchase and Product item serial number) in order to receive warranty service and, also, deliver or send the Product item, transportation and insurance prepaid, to an authorized warranty service location. Warranty service will be provided by MOTOROLA through one of its authorized warranty service locations. If you first contact the company which sold you the Product (e.g., dealer or communication service provider), it can facilitate your obtaining warranty service. You can also call MOTOROLA at 1-800-453-0920 for warranty service location information.

VI. WHAT THIS WARRANTY DOES NOT COVER:

- a. Defects or damage resulting from use of the Product in other than its normal and customary manner.

- b. Defects or damage from misuse, accident, water, or neglect.
- c. Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.
- d. Breakage or damage to antennas unless caused directly by defects in material workmanship.
- e. A Product subjected to unauthorized Product modifications, disassemblies or repairs (including, without limitation, the addition to the Product of non-MOTOROLA supplied equipment) which adversely affect performance of the Product or interfere with MOTOROLA'S normal warranty inspection and testing of the Product to verify any warranty claim.
- f. Product which has had the serial number removed or made illegible.
- g. Rechargeable batteries if:
 - 1. Any of the seals on the battery enclosure of cells are broken or show evidence of tampering.
 - 2. The damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.
- h. Freight costs to the repair depot.
- i. A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with MOTOROLA'S published specifications or the FCC type acceptance labeling in effect for the Product at the time the Product was initially distributed from MOTOROLA.
- j. Scratches or other cosmetic damage to Product surfaces that does not effect the operation of the Product.
- k. Normal and customary wear and tear.

VI. PATENT AND SOFTWARE PROVISIONS:

MOTOROLA will defend, at its own expense, any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringe a United States patent, and Motorola will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

- a. That MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim;
- b. That MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise; and
- c. Should the Product or parts become, or in MOTOROLA'S opinion be likely to become, the subject of a claim of infringement of a United States patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA.

MOTOROLA will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or parts furnished hereunder with software, apparatus or devices not furnished by MOTOROLA, nor will MOTOROLA have any liability for the use of ancillary equipment or software not furnished by MOTOROLA which is attached to or used in connection with the Product or any parts thereof.

Laws in the United States and other countries preserve for MOTOROLA certain exclusive rights for copyrighted MOTOROLA software, such as the exclusive rights to reproduce in copies and distribute copies of such MOTOROLA software. MOTOROLA software may be used in only the Product in which the software was originally embodied and such software in such Product may not be replaced, copied, distributed, modified in any way, or used to produce any derivative thereof. No other use including, without limitation, alteration, modification, reproduction, distribution, or reverse engineering of such MOTOROLA software or exercise or rights in such MOTOROLA software is permitted. No license is granted by implication, estoppel or otherwise under MOTOROLA patent rights or copyrights.

Note: This Warranty applies in Singapore and the Philippines.

Limited Warranty Motorola Communication Products

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

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iDEN Subscriber Digital Mobile and Portable Units	One (1) Year
Product Accessories (manufactured by or under license from MOTOROLA)	One (1) Year

Rechargeable Batteries will be replaced during the applicable warranty period if:

- a. the battery capacity falls below 80% of rated capacity, or
- b. the battery develops leakage.

MOTOROLA, at its option, will at no charge either repair the Product (with new or reconditioned parts), replace it (with a new or reconditioned Product), or refund the purchase price of the Product during the warranty period provided it is returned in accordance with the terms of this warranty. Replaced parts or boards are warranted for the balance of the original applicable warranty period. All replaced parts of Product shall become the property of MOTOROLA.

This express limited warranty is extended by MOTOROLA to the original end user purchaser only and is not assignable or transferable to any other party. This is the complete warranty for the Product manufactured by MOTOROLA. MOTOROLA assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of MOTOROLA. Unless made in a separate agreement between MOTOROLA and the original end user purchaser, MOTOROLA does not warrant the installation, maintenance or service of the Product.

MOTOROLA cannot be responsible in any way for any ancillary equipment not furnished by MOTOROLA which is attached to or used in connection with the Product, or for operation of the Product

Warranty

with any ancillary equipment, and all such equipment if expressly excluded from this warranty. Because each system which may use the Product is unique, MOTOROLA disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

III. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA'S responsibilities regarding the Product, Repair, replacement or refund of the purchase price, at MOTOROLA'S options, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

IV. HOW TO GET WARRANTY SERVICE:

You must provide proof of purchase (bearing the date of purchase and Product item serial number) in order to receive warranty service and, also, deliver or send the Product item, transportation and insurance prepaid, to an authorized warranty service location. Warranty service will be provided by MOTOROLA through one of its authorized warranty service locations. If you first contact the company which sold you the Product (e.g., dealer or communication service provider), it can facilitate your obtaining warranty service.

V. WHAT THIS WARRANTY DOES NOT COVER:

- a. Defects or damage resulting from use of the Product in other than its normal and customary manner.
- b. Defects or damage from misuse, accident, water, or neglect.
- c. Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.
- d. Breakage or damage to antennas unless caused directly by defects in material workmanship.
- e. A Product subjected to unauthorized Product modifications, disassemblies or repairs (including, without limitation, the addition to the Product of non-MOTOROLA supplied equipment).
- f. Product which has had the serial number removed or made illegible.
- g. Rechargeable batteries if:
 1. Any of the seals on the battery enclosure of cells are broken or show evidence of tampering.
 2. The damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.
- h. Freight costs to the repair depot.
- i. A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with MOTOROLA'S published specifications or the local type acceptance labeling in effect for the Product at the time the Product was initially distributed from MOTOROLA.
- j. Scratches or other cosmetic damage to Product surfaces that does not effect the operation of the Product.
- k. Normal and customary wear and tear.
- l. Exclusion for defects or damage arising from use of the products in connection with non-MOTOROLA equipment.

V. PATENT AND SOFTWARE PROVISIONS:

MOTOROLA will defend, at its own expense, any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringe a patent, and Motorola will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

- a. That MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim;

- b. That MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise; and
- c. Should the Product or parts become, or in MOTOROLA'S opinion be likely to become, the subject of a claim of infringement of a patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA.

MOTOROLA will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or parts furnished hereunder with software, apparatus or devices not furnished by MOTOROLA, nor will MOTOROLA have any liability for the use of ancillary equipment or software not furnished by MOTOROLA which is attached to or used in connection with the Product or any parts thereof. In no event shall MOTOROLA be liable for any incidental, special or consequential damages arising from any claim of patent infringement or alleged infringement.

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OWNER'S INFORMATION

Mobile Equipment Identifier (IMEI)

Phone Number

Own Private ID

Date Purchased

Dealer Telephone Number

Customer Service Number

RADIO ID DIRECTORY

Private ID	Name
1	
2	
3	
4	
5	
6	
7	
8	
9	

TALKGROUP ID DIRECTORY

Talkgroup ID	Name
1	
2	
3	
4	
5	
6	
7	
8	
9	

